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CLEANING MACHINE

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Claims

1. A cleaning machine having a right accommodating chamber for accommodating a dust-collecting bag or a dirty water-collecting tank in the main body of the cleaning machine, a left accommodating chamber for accommodating a detergent (water wax) storage tank, a rear accommodating chamber for accommodating a motor, and a vacuum cleaning seat or a waxing seat arranged at the front end of the main body, characterized by the following facts: the motor drives a turbofan located at its front end to collect dust or dirty water generated during water washing into a tank and feeds the airflow suctioned by the fan into the detergent (water wax) storage tank to generate pressure to spray the detergent or water wax stored in the detergent (water wax) storage tank through a guide pipe; the sprayed detergent or water wax cooperates with the vacuum cleaning seat or the waxing seat, which rotates to perform vacuuming, water washing, or waxing.

2. The cleaning machine described in Claim 1 characterized by the following facts: a control valve is arranged between the left accommodating chamber and the rear accommodating chamber, which are connected to each other by an exhaust pipe; the control valve is used to

control the amount of air flow suctioned into the detergent (water wax) storage tank by the turbofan of the motor in order to control the amount of discharged detergent (water wax).

3. The cleaning machine described in Claim 1 characterized by the fact that a heater is arranged in the detergent (water wax) storage tank in order to heat the detergent (water wax) to reinforce the cleaning effect.

4. The cleaning machine described in Claim 1 characterized by the following facts: the vacuuming/cleaning seat has a rolling shaft arranged in a casing; several blades and bristles are arranged on the rolling shaft; there is a guiding pipe connected to the detergent (water wax) storage tank; the vacuum suction force generated by the turbofan of the motor can drive the rolling shaft to rotate so that the bristles on the shaft can brush and wash.

5. The cleaning machine described in Claim 1 characterized by the following facts: the waxing seat has a fan arranged in a casing; a soft cotton cloth for waxing is installed on the bottom of the fan; a guide pipe connected to the detergent (water wax) storage tank is arranged corresponding to the cotton cloth; water wax can be sprayed out from the guide pipe; the vacuum suction force generated by the turbofan of the motor can drive the fan blades to rotate so that the soft cotton cloth can carry out the waxing operation.

6. The cleaning machine described in Claim 1 characterized by the following facts: a partition plate is used to divide the main body into a front accommodating chamber and a rear accommodating chamber; the dust-collecting bag or the dirty water-collecting tank is arranged in the front accommodating chamber, and the detergent (water wax) storage tank is arranged in the rear accommodating chamber; the motor is arranged between the front and rear accommodating chamber; a vacuum cleaning seat is arranged at the front end of the main body; the cleaning machine is a portable cleaning machine.

7. The cleaning machine described in Claim 6 characterized by the following facts: the cleaning machine has several vanes; a replaceable blade is arranged on each vane; a metal net is arranged at the air suction port on the base seat; [the aforementioned] can be used to scrape a hair ball off of carpet or clothing.

#### Brief description of the figures

Figure 1 is a three-dimensional view of the present design.

Figure 2 is a diagram illustrating the structure of the present design in detail.

Figure 3 is a cross-sectional view along A-A of Figure 2.

Figure 4 is a cross-sectional view along B-B of Figure 2.

Figure 5 is a diagram illustrating the vacuum cleaning seat of the present design in detail.

Figure 6 is a diagram illustrating the waxing seat of the present design in detail.

Figure 7 is a diagram illustrating the waxing seat of the present design in detail.

Figure 8 is a diagram illustrating an application example of another type of portable cleaning machine disclosed in the present design.

Figure 9 is a three-dimensional view illustrating assembly of a vane and blade in the hair-ball cleaning seat.

Figure 10 is a three-dimensional view illustrating assembly of the vane and blade in the hair-ball cleaning seat.

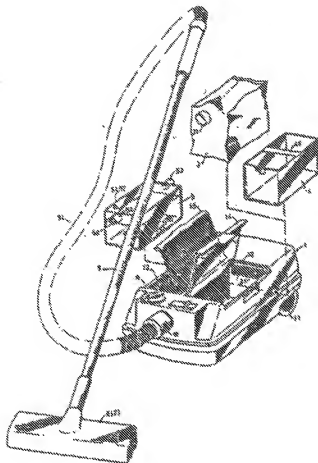


Figure 1

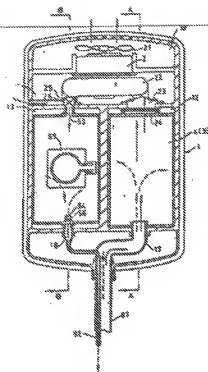


Figure 2

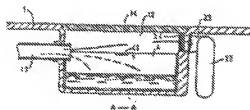


Figure 3

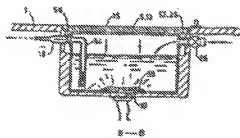


Figure 4

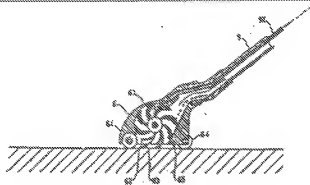


Figure 5

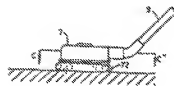
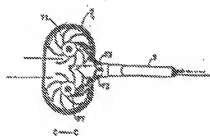


Figure 6

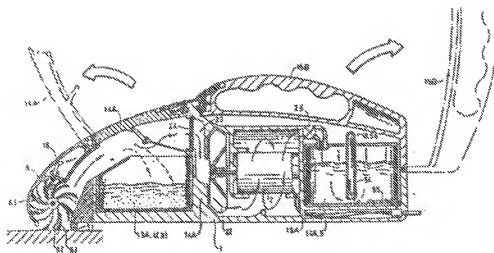


Figure 7

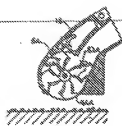


Figure 8

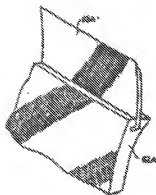
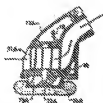


Figure 9



(54) 名 稱: 清潔機

(21) 申 請 案 號: 82210962

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(57) 申請專利範圍:

1. 一種清潔機之構造, 其係於一體體內設有一收容室供置放塵袋或污水集收槽; 並設有一收容室供置放清洗液(水罐)儲存槽; 且設有一收容室而供一馬達之蓋設; 於機體之前端並設有吸塵清洗座或打蠟座, 其特徵在於: 藉由馬達之帶動其前後之輪軸風扇, 將灰塵或以水洗時所產生之污水集收槽內, 並利用吸入之風往入清洗液(水罐)儲存槽, 內以產生一壓力, 而將液體存於清洗液(水罐)儲存槽內之清洗液或水罐經一導管噴出, 並配合吸塵清洗或打蠟座而旋轉以吸塵、水洗與打蠟之使用。
2. 如申請專利範圍第1項所述之清潔機, 其中該在收容室與後收容室間端設有一控制鈕而連通, 並設有一導管管, 而藉由控制鈕加以控制馬達其輪軸風扇所吸吸入清洗液(水罐)儲存槽內之風量, 進而達到控制清洗液(水罐)所吸出之量。
3. 如申請專利範圍第1項所述之清潔機, 其中該清洗液(水罐)儲存槽內設有一加熱器用於加熱清洗液(水罐)以加強於清洗效果, 或經排出熱風以做為水洗或打蠟後之烘乾使用。

4. 如申請專利範圍第1項所述之清潔機, 其中該吸塵清洗座係於一體座內設有一滾輪, 並於滾輪上設有若干之葉片與刷毛, 且設有一導管連通至清洗液(水罐)儲存槽, 以利用馬達之輪軸風扇所產生之真空吸排風, 同時帶動滾輪旋轉, 進而利用刷毛施以刷洗動作。
5. 如申請專利範圍第1項所述之清潔機, 其中該打蠟座係於一體座內設有風扇, 設風扇下端設有打蠟用之軟質棉布, 並於對應棉布設有一導管連通至清洗液(水罐)儲存槽, 而能噴出水罐, 並利用馬達之輪軸風扇所產生之真空吸力, 同時帶動風扇旋轉, 進而由軟質棉布施以打蠟動作。
6. 如申請專利範圍第1項所述之清潔機, 其係於該機體內藉由隔板而隔設成一收容室與一後收容室, 前收容室供置放塵袋或污水集收槽, 後收容室供置放清洗液(水罐)儲存槽; 馬達則設於前、後收容室間, 機體之前端設有一吸塵清洗座, 以達手提式清潔機。
7. 如申請專利範圍第6項所述之清潔機, 其中該吸塵清洗座係設成一毛球清理座, 該毛球清理座係於座體內設有一軸, 於軸上



設有若干之葉片，並於葉片上設有一可抽換之刀片，且於座體之吸塵口設有一金屬網，而可吸除毛髮或灰塵土之毛球。

圖示簡單說明：

第一圖：本創作之立體構造圖。

第二圖：本創作之詳細部視構造圖。

第三圖：第二圖 A - A 部視構造圖。

第四圖：第二圖 B - B 部視構造圖。

第五圖：本創作之吸塵清洗座詳細部視構造圖。

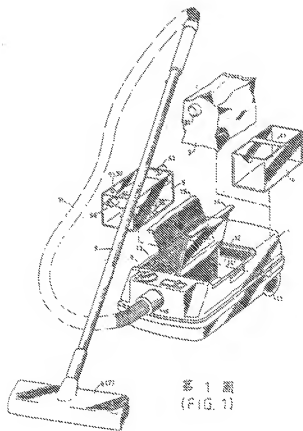
第六圖：本創作之打掃座詳細部視構造圖。

第七圖：本創作之打掃座詳細部視構造圖。

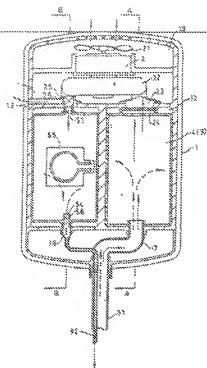
第八圖：本創作另一種手設式清潔機實施例詳細部視構造圖。

第九圖：本創作之毛球清潔座內刀片與葉片組合詳細立體構造圖。

第十圖：本創作之毛球清潔座內刀片與葉片組合詳細立體構造圖。



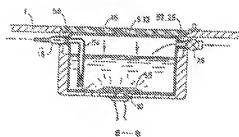
第 1 圖  
(FIG. 1)



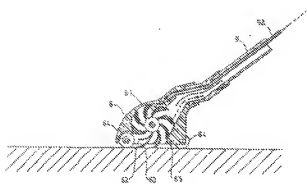
第 2 圖  
(FIG. 2)



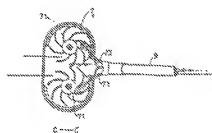
第 3 圖  
(FIG. 3)



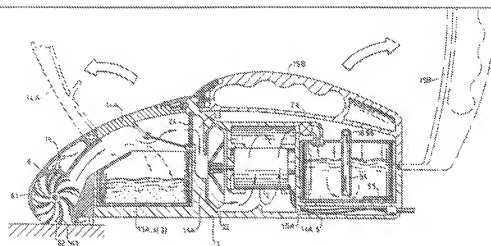
第 4 圖  
(FIG. 4)



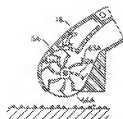
第 5 圖  
(FIG. 5)



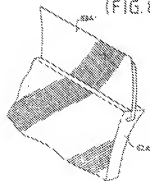
第 6 圖  
(FIG. 6)



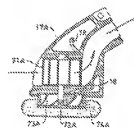
第 7 圖  
(FIG. 7)



第 8 圖  
(FIG. 8)



第 9 圖  
(FIG. 9)



第 10 圖  
(FIG. 10)